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<b>IN THE UNITED STATES</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>	<b>APPLICATION NO:</b>	10/522,320
	<b>FILING DATE:</b>	January 24, 2005
	<b>FIRST NAMED</b>	John L. Schenk
	<b>ART UNIT:</b>	1651
	<b>EXAMINER NAME:</b>	Leon B. Lankford
	<b>DOCKET NO:</b>	XY-Optimum-USNP

**I. US PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NO. & KIND CODE (if known)	PATENTEE OR APPLICANT	PUBLICATION/ISSUE DATE mm/dd/yyyy	Pages, Columns, Lines Where Relevant Passages Or Relevant Drawings Appear
	7,094,527	Seidel et al.	8/22/2006	
	2005/0282245	Ludwig et al.	12/22/2005	
	2005/0244805 A1	Ludwig et al.	11/3/2005	
	2005/0214733 A1	Graham et al.	9/29/2005	

## II. FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Foreign Patent Document Country Code, Number, Kind Code (if known)	PATENTEE OR APPLICANT NAME	PUB'N DATE mm- dd-yyyy	TRANSLATION Yes No	
	WO 93/17322 A1	Univ. of Hertfordshire GB	9/02/1993		
	UK 1 471 019	United Aircraft Corp.	4/21/1977		
	WO 2006/012597	Monsanto Technology LLC	2/2/2006		

### III. OTHER REFERENCES

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	Rath, D, et al., In Vitro Production of Sexed Embryos for Gender Preselection: High-Speed Sorting of X-Chromosome-Bearing Sperm to Produce Pigs After Embryo Transfer, J. Anim. Sci. 1999, 77:3346-3352
	Auchtung, T.L., et al., Effects of Photoperiod During the Dry Period on Prolactin, Prolactin Receptor, and Milk Production of Dairy Cows; Journal of Dairy Sci. 88: 121-127; American Dairy Sci. Assoc., 2005.
	Bailey, Tom and Currin, John Milk Production Evaluation In First Lactation Heifers; 1999 Virginia Cooperation Extension/Dairy Science Publication 404-285
	Belloin, J.C., Milk and Dairy Products: Production and Processing Costs Food and Agriculture Organization of United Nations Rome 1988 FAO; web page where found: <a href="http://www.fao.org/docrep/003/x6931e/X6931E00.htm">www.fao.org/docrep/003/x6931e/X6931E00.htm</a>
	Kume, Shin-ichi; Dept of Animal Nutrition National Institute of Animal Industry Tsukuba 305, Japan, The Dairy Industry \$In AsiaB. Japan; <a href="http://www.agnet.org/library/article/eb384b.html">www.agnet.org/library/article/eb384b.html</a>
	Crichton, E.; Huffman, S.; McSweeney, K.; and Schenk, J. 347 Artificial Insemination of Lactating Holstein Cows with sexed sperm: Abstract CSORP Publishing - Reproduction, Fertility and Development <a href="http://www.publish.csiro.au/nid/44/paper/RDv18n2Ab347.htm">www.publish.csiro.au/nid/44/paper/RDv18n2Ab347.htm</a>
	Lopez, H., Caraviello, D.Z., Satter, L.D., Fricke, P.M. and Wiltbank, M.C.; Relationship Between Level of Milk Production and Multiple Ovulation in Lactating Dairy Cows Journal of Dairy Sci. 88:2783-2793; American Dairy Science Association, 2005.
	Managing the Dairy Cow During the Dry Period; Dairy Cattle Production 341-450A; Macdonald Campus of McGill University/Faculty of Agricultural & Environmental Sciences/Department of Animal Science
	Milk Production and Biosynthesis University of Guelph/Dairy Science and Technology <a href="http://www.foodsci.uoguelph.ca/dairyedu/biosyntheses.html">www.foodsci.uoguelph.ca/dairyedu/biosyntheses.html</a>
	Milk Production Released 7-18-2006, by the National Agricultural Statistics Service (NASS), Agri. Stats. Board, US Dept of Agri.
	De Vries, A. Economic Value of Pregnancy in Dairy Cattle Journal of Dairy Sci. 89:3876-3885/American Dairy Sci. Assoc. 2006
EXAMINER:	DATE CONSIDERED
EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	

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IN THE UNITED STATES PATENT AND  
TRADEMARK OFFICE

Applicants: John L. Schenk and Allison C. Lindsey  
Application Number: 10/522,320  
Filed: October 17, 2005  
Title: Sperm Cell Process System  
Assignee: XY, Inc.  
Attorney Docket: XY-Optimum-USNP  
Customer No. 33549


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**CERTIFICATE OF EXPRESS MAILING**

I, Michael Blackmore, hereby certify to the truth of the following items:

1. I am an employee of Santangelo Law Offices, P.C., 125 South Howes, Third Floor, Fort Collins, Colorado 80521.
2. I have this day deposited the attached Information Disclosure Citation and copies of cited references with the United States Postal Service as "Express Mail" for mailing to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Dated this 27 day of September, 2006.

  
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Michael Blackmore